What is claimed is:

1. A bearing manufacturing method for a compressor comprising the steps of:

molding an exterior of a bearing by using an aluminum (Al) material;

forming an oxide-coated layer on the surface of the bearing member after the exterior of the bearing is completed; and

electrolizing the bearing in tiomolybdenic acid ammonium solution and infiltrating a molybedene emulsion into the oxide-coated layer of the bearing.

2. The method of claim 1, wherein, in the second step of forming the oxide-coated film, electrolyte solution such as sulfuric acid (H_2SO_4) and oxalic acid is set as a cathode and a material to be coated is set as an anode, to which electric current is provided to generate an oxide-coated layer on the surface of the material.

3. The method of claim 1, wherein, in the third step, the bearing with the oxide-coated film formed is electrolized in 0.01~0.1 wt% pure tiomolybdenic ammonium aqueous solution and hydrogen ion discharged from a barrier layer of the oxide-coated layer and molybdenesolfide ion dissociated from the tiomolybdenic acid ammonium aqueous solution are interacted in each fine pores, so that molybedene emulsion can be deposited in the pores.

4. The method of claim 1, wherein, in the third step, the oxide-coated film has the thickness of 0.01~0.03mm.

5. The method of claim 1, further comprising a step of abrading a bearing contact face to improve the illumination of the surface of the bearing after infiltrating the molybedene emulsion.